Work Order ID-44634

June 26, 2009 10:52:56 AM

Item ID:

D3499-042

Revision ID: В

Item Name:

Cable Guard Assembly

Start Date:

15/07/2009

Start Qty: 4.00

Required Date: 03/08/2009 Req'd Qty: 4.00



Accept



Setup Start





Page 1

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: 09/09/14 Tooling:

Date:

SPC (Y/N):

Date:

Date:

Run Start

Stop



Sequence ID/ Operation Reject Set Up/ Draw Draw Plan Accept Reject Insp. **Work Center ID Description Run Hours** Number Rev. Code Qty Qty Number Stamp

Draw Nbr **Revision Nbr** D3499 Rev B

100

Small Fab

Small Fab

Small Fab

Memo

Assemble as per Dwg D3499

0.00

50 10/05/18 F.F.

110

Memo

QC5- Inspect part completeness to step on W/O

0.00

5)

Quality Control

120

Packaging

Packaging

Identify as per dwg & Stock Location:

Memo

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
:										
							ļ			
<u>-</u> -										

Part No: 13499-042 PA	\R #: F	Fault Category:	NCR: Yes No	DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed	•	Date:

NCR:44634		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B	Verification	Approval	Approval					
DATE	STEP	STEP	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector		
	165	CAN'T INSTALL BOLTS,	P	D3499-1 15 OK. REPLACE JULY WITH S MADE TO OUG D3499 Rev. C	of o	8	W					
26.5.17	100	HOLES DON'T LIME-UP	10.05, 17 Per	D3499-1 IS OK. REPLACE	105/17	(405/17	10.05.17	5				
		CAN'T INSTALL BOLTS, HOLES DON'T LINE-UP, ENG TOLERDIKE ERROR.	05/04PL	2 May 6-TH -5 MADE TO DUG D3499 REVICE	MS		051 642	10/5/24				
							·					
				- Address and								

NOTE: Date & initial all entries

В

Page 2

Item ID:

D3499-042

Accept

Setup Start

Stop



Revision ID:

Cable Guard Assembly Item Name:

Required Date: 03/08/2009

15/07/2009

Start Qty: 4.00 Req'd Qty: 4.00

Cust Item ID:

Customer:

Reference:

Start Date:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Start Run

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID

Operation **Description**

QC21- Final Inspection - Work Order Release

Set Up/ **Run Hours** Draw Draw Rev. Number

Plan Code

Reject Accept Qty Qty

Reject Number

Insp. Stamp

130

Memo

0.00

0.00

Quality Control

Picklist Print

June 26, 2009 10:52:56 AM

Work Order ID: 44634

Parent Item:

D3499-042RevB

Parent Item Name: Cable Guard Assembly

Comments:



Start Date: 15/07/2009

Required Date: 03/08/2009

Start Qty: 4.00

Required Qty: 4.00

	Comments.								•	start Qtyroo		requirea	Ziji 1.00	
	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued		Status
✓	AN3C5A		Purchased	No			100	Each	0.0000	8.0000		·		• •
	AN3C6A		Purchased	No			100	Each	0.0000	12.0000			•	
√	BOLT AN960C10L Washer		Purchased	No			100	Each	0.0000	40.0000				<u>+</u>
	D3499-2RevB		Manufactured	No			100	Each	0.0000	4.0000				
	D3499-3RevB		Manufactured	No			100	Each	0.0000	4.0000				vari
V	Plastic Cable Guard D3499-5RevB		Manufactured	No			100	Each	0.0000	8.0000				
V	Placard MS21043-3		Purchased	No			100	Each	0.0000	20.0000				
✓	NAS1515H3L 		Purchased	No			100	Each	0.0000	20.0000				· · · · · · · · · · · · · · · · · · ·

Dart Aerospace Ltd. Wednesday, 14/01/2009 8:35:04 AM Date: User: Julie Dawson **Process Sheet** Customer : CU-DAR001- Dart Helicopters Services **Drawing Name** : CABLE GUARD Job Number : 44634 **Estimate Number** : 12407 P.O. Number : D3499042 **Part Number** This Issue : 14/01/2009 S.O. No. : . D3499 REV B **Drawing Number** Prsht Rev. : NC **Project Number** : N/A First Issue : // : B Туре : SMALL /MED FAB **Drawing Revision** : 43905 **Previous Run** Material **Due Date** : 30/01/2009 Qty: Each-Written By Checked & Approved By Comment : Est Rev:A New Issue 06-05-05 JLM Est Rev:B As per Rev B 06-08-31 JLM **Additional Product** Job Number: Sea. #: **Machine Or Operation:** Description: 1.0 D34992 Mounting Plate Comment: Qty.: 1.0000 Each(s)/Unit 4.0000 Each(s) Total: MOUNTING PLATE Batch: 2.0 D34993 Plastic Cable Guard Comment: Qty.: 1.0000 Each(s)/Unit Total: ¥.0000 Each(s) PLASTIC CABLE GUARD Batch: 3.0 D34995 Comment: Qty.: 2.0000 Each(s)/Unit Total: %.0000 Each(s) **PLACARD** Batch: 4.0 AN3C5A Comment: Qty.: 2.0000 Each(s)/Unit Total: 8-0000 Each(s) Bolt Batch: AN3C6A 5.0

12.0000 Each(s)

Comment: Qty.:

BOLT Batch:

3.0000 Each(s)/Unit

Dart Aerospace Lt	d
-------------------	---

										,
W/O:			WC	ORK ORDER CHANG	GES					
DATE	STEP	PRO	OCEDURE CHA	NGE		By Dat			Approval Chief Eng / Prod Mgr	Approval QC Inspector
						ĺ				
Part No	•	PAR #:	Fault Cate	gory:	NCR:	Yes N	lo DQ	A:	_ Date: _	
	Re	esolution:	Dispositio	n:	QA: 1	VC Clo	sed:		Date: _	
NCR:		\	WORK ORD	ER NON-CONFORM	ANCE	(NCR)	1			
DATE	STEP	Description of NC	Corrective Action Section			0'	Verifi	ification A	Approval	Approval
- DAIL	OIL!	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Sect	ion C	Chief Eng	QC Inspector
En						, .				
	-									1
									1	
							1			
			1						1	

NOTE: Date & initial all entries

er: · Julie	Dawson		Process Sheet	
Customer:	CU-DAR001	Dart Helicopters Services	Drawing Name: CABLE	GUARD
Job Number:	44634		Part Number: D34990	42
Job Number:				
Seq. #:	Machine O	r Operation:	Description	:
6.0	AN960C10L		washer	1100111401111001
		200 A		
Comme	nt: Qty.: 1		50 0000 Fach(s)	
	washer		+4.0000 Edun(3)	(/2
	Batch:	-M1/0913		/X> 09/63/31(
7.0	MS210433	! !!!! !!!!! !!!!!!!!!	Nut	1100000000
			3	
Comme	-	5.0000 Each(s)/Unit Total:	28:0000 Each(s)	00
	Nut Batch:	MI10262		X 2013/20
8.0	NAS1515H3I		WASHER	18 30 110 31 XX
Comme	nt: Qty.:	5.0000 Each(s)/Unit Total:	29.0000 Each(s)	00
	WASHER Batch:	M-16866		XX 09/03/31 x
9.0	SMALL FAB	1	SMALL & MEDIUM FAB RESOURCE 1	
Comme	nt: SMALL 8	MEDIUM FAB RESOURCE 1		Stall list FF
	Assemble	e as per Dwg D3499		\$ 10/05/13 +
10.0	QC5		INSPECT WORK TO CURRENT STEP	Dto
				pto Last Last 5/26 Proce
Comme): INSPECT	WORK TO CURRENT STEP	2.10	5/26 PBE -
11.0	PACKAGING		PACKAGING RESOURCE #1	pa
V				
Comme	nt: BACKAC			118711118118111111111111111111111111111
Oominie	Identify a			
	/ Location:			
12.0	QC21		FINAL INSPECTION/W/O RELEASE	119718: (184 8111 (1818) 181 (481
Commer	nt: FINAL IN	SPECTION/W/O RELEASE		1 TOLONE FEDIT BOOK HOLD HOLD HOLD
Completion V		IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
	! !!! !	818181 181 1886 18818 1881 1886 1886 1886 1886 1886 1886 1886 1886 1886 1886 1886		
Page 2				Form: rprocess

Form: rprocess

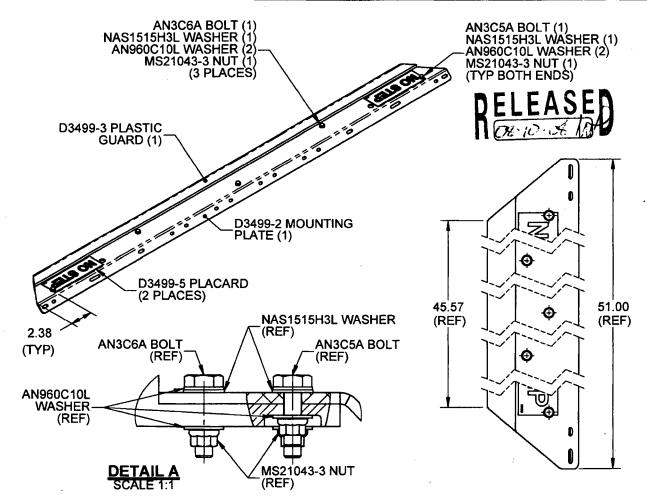
Dart Aerospace Ltd

DuitAu	. Oopaoc E	···							,
W/O:		·	WO	RK ORDER CHANG	iES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			-						
		77							
Part No	,•	PAR #:	Fault Caton	OFW:	NCP: Vos	No DO	۸.	Data	
raitivo		olution:							
NCR:				R NON-CONFORM					
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Description	tion B Sign		cation	Approval Chief Eng	Approval QC Inspector
		Section A	Chief Eng	Chief Eng	Date		on C	Chief Eng	QC Inspector
No. and									
								:	
		•							

NOTE: Date & initial all entries

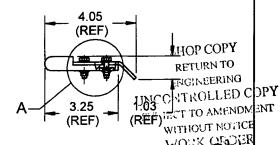


		1				•		
	DESIGN DRAWN BY		BY 3	DART AEROSPACE USA, INC. PORT HADLOCK, WA				
	CHECK	ED	APPRO	V/ED	DRAWING NO.	REV. B		
	64	<u>† </u>	9		D3499	SHEET 1 OF 4		
	DATE		·		TITLE	SCALE		
	06.08.15				CABLE GUARD	1:4		
	A 06.04.11 B 06.08.15			NEW ISSUE				
				RE-DESIGN D3499-2F/-3				



D3499-042 CABLE GUARD ASSEMBLY

QTY -042	P/N	DESCRIPTION					
X D3499-042		CABLE GUARD ASSEMBLY					
1	D3499-2	MOUNTING PLATE					
1	D3499-3	PLASTIC GUARD					
2	D3499-5	PLACARD					
2	AN3C5A	BOLT					
3	AN3C6A	BOLT					
10	AN960C10L	WASHER					
5	MS21043-3	NUT					
5	NAS1515H3L	WASHER					

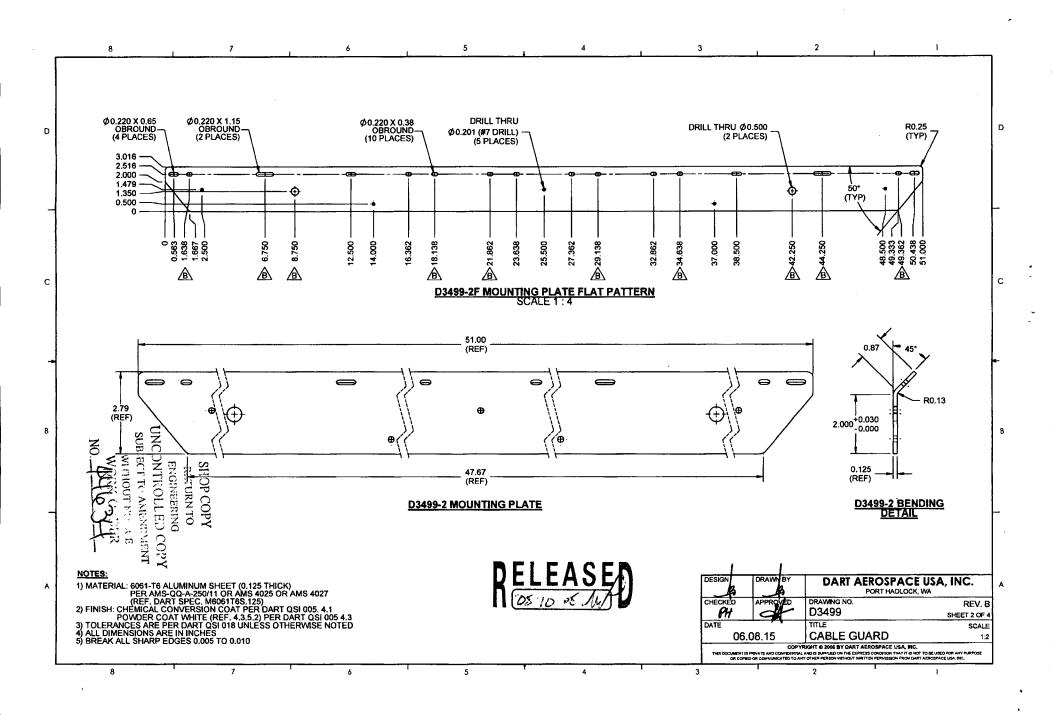


NOTES:

- 1) TOLERANCES ARE PER DART QSI 018
 UNLESS OTHERWISE NOTED
 2) ALL DIMENSIONS ARE IN INCHES
 3) BREAK ALL SHARP EDGES 0.005 TO 0.010

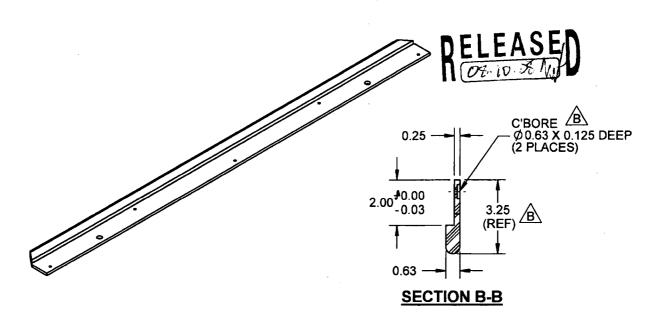
COPYRIGHT © 2006 BY DART AEROSPACE USA, INC.

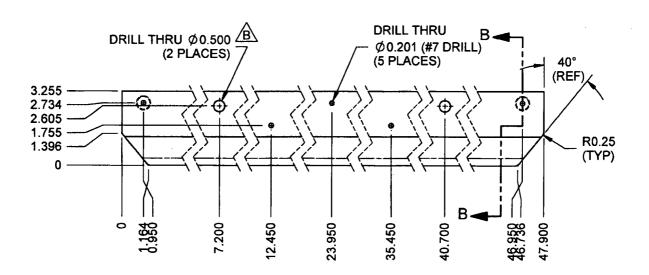
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.





,					
DESIGN	DRAWNBY	DART AEROSPACE USA, INC. PORT HADLOCK, WA			
CHECKED	APPROVED	DRAWING NO.	REV. B		
PH	eff.	D3499	SHEET 3 OF 4		
DATE		TITLE .	SCALE		
06.	08.15	CABLE GUARD	1:4		





D3499-3 CABLE GUARD

NOTES:

(MUHMWB)

2) PART IS SYMMETRICAL AT CENTER LINE
3) FINISH: NONE
4) TOI FRANCES 1) MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL

4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

5) ALL DIMENSIONS ARE IN INCHES 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

SHOP COPY RETURN TO

ENGINEFRING

UNCONTROLLED CO?

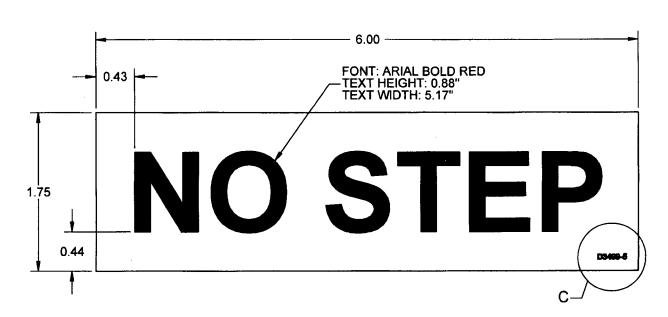
SUBJECT TO A TENDMEN

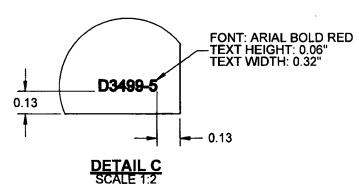
COPYRIGHT © 2006 BY DART AEROSPACE USA, INC.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



1	1		¥-		
DESIGN	DRAWN BY	I .	AEROSPACE USA, INC. PORT HADLOCK, WA		
CHECKED	APPROVED	DRAWING NO.	REV. B		
PH	-///-	D3499	SHEET 4 OF 4		
DATE		TITLE	SCALE		
06	3.08.15	CABLE GUARD	1:1		





D3499-5 PLACARD

NOTES:

1) MATERIAL: RED LETTERS ON WHITE ADHESIVE BACK VINYL

MANUFACTURED FROM 3M 7 MIL MASKING FILM #8522CP OR
AVERY IPM #2031. SIZE IS 6.00" LONG" x 1.75" WIDE

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
3) ALL DIMENSIONS ARE IN INCHES
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

RETURN TO
ENGINEERING

ENGINEERI

SHOP COPY

RETURN TO

WITHOUT NO

COPYRIGHT © 2006 BY DART AEROSPACE USA, INC.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.